

# MENGNING LI

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MY PERSONAL WEBSITE: <https://mengning-li.github.io>

## PROFESSIONAL SUMMARY

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Passionate Full Stack Developer with a Master's in Information Technology (GPA: 6.69/7.0) and strong problem-solving skills rooted in electrical engineering. Specialized in creating scalable web applications using Laravel, React, and modern development practices. Proven ability to design complete solutions from database architecture to user interfaces, with hands-on experience in cloud deployment and containerization. Eager to contribute technical expertise and fresh perspectives to innovative development teams.

## TECHNOLOGIES

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**Languages:** PHP, JavaScript, Python, R

**Frontend:** React, React Native, HTML5, CSS3, Expo

**Backend:** Laravel, RESTful APIs, MVC Architecture

**Databases:** MySQL, SQLite, MongoDB

**Tools:** Git/GitHub, Docker, AWS EC2, NGINX/Apache, Tableau

## PERSONAL PROJECTS

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**Student Peer Review System:** <https://github.com/mengning-li/Student-peer-review.git>

*Full Stack Web Application | Laravel, PHP, SQLite*

A comprehensive educational web app designed to support educational peer assessment. Teachers can create courses and set up assessments, while students participate by reviewing each other's work and giving structured feedback.

Key features and highlights:

- Full CRUD operations for courses, assessments, users, and reviews
- Role-based authentication and authorization system (teacher/student roles)
- JSON file upload functionality for bulk course creation with validation
- Comprehensive test data generation using Laravel Factories and Seeders

**Drug Speak Mobile App:** <https://github.com/mengning-li/DrugSpeak.git>

*React Native Application | React Native, Expo, JavaScript*

A comprehensive mobile learning application designed to help medical and pharmacy students master drug pronunciation through interactive audio-based learning. This full-stack React Native application combines modern mobile development with robust backend infrastructure to deliver a seamless educational experience.

Key features and highlights:

- Developed mobile app architecture integrating local storage (AsyncStorage), state management (Redux), and RESTful API endpoints for user authentication, registration, profile updates, and persistent study record tracking.
- Developed pronunciation features and implemented multi-speed audio playback for progressive learning
- Created voice recording and self-evaluation features
- Built personalized learning lists and community feedback system
- Optimized for cross-platform mobile compatibility

**Personal Portfolio Website:** <https://github.com/mengning-li/mengning-li.github.io.git>

*Modern Web Development | React, JavaScript, CSS3*

A responsive personal portfolio website using React, showcasing skills, projects, and contact information with clean component-based architecture and plans for AWS integration to handle contact form submissions.

Key features and highlights:

- Designed and developed a professional portfolio website using React
- Showcased technical skills and selected projects in a clean, structured layout
- Used modular React components for scalability and maintainability
- Implemented contact form with validation and planned AWS integration

## EDUCATION

Master of Information Technology (GPA:6.69)

Griffith University, 2025

Bachelor of Engineering in Power System and  
Automation

Zhengzhou University, China, 2015

## PROFESSIONAL EXPERIENCE

**Line Loss Management and Materials Management Officer**

*Jiyuan Electrical Company | Nov 2019 – Feb 2023*

- Responsible for inspecting and handling technical faults on power supply lines and related equipment, inspected over 100 transmission lines and assessed line loss across 5,000+ sites within the jurisdiction under 10kV.
- Led a team to identify line faults, equipment issues, and instances of electricity theft, implementing corrective measures to reduce overall line loss by 0.5%.
- Streamlined departmental material management processes, optimizing purchasing, storage, and coordination to reduce material wastage by 10%.

- Successfully managed procurement and inventory of high-value materials, ensuring availability for critical projects while maintaining cost efficiency.

### **Customer Service Officer**

*Jiyuan Electrical Company | July 2015 – Nov 2019*

- Responsible for the governance of 400V and 10kV map trees within the jurisdiction to ensure over 98% accuracy between site conditions and system.
- Led the entire customer service office team in handling over 500 monthly customer inquiries, including electrical bills, power connection, installation services, and company policies, achieving a 100% customer satisfaction rate.
- Inspected and handled technical faults on power supply lines and related equipment under 400V, reducing the overall line loss rate by 0.5%, and recovered over ¥10,000 in previously lost revenue.